	Application No.	Applicant(s)
Notice of Allowability	09/898,909 Examiner	WEBER, DETLEF Art Unit
	Phat X. Cao	2814
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet with the co (OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	orrespondence address plication. If not included will be mailed in due course. THIS
1. This communication is responsive to 11/15/04.		
2. X The allowed claim(s) is/are 21-27.		
3. X The drawings filed on 03 July 2001 are accepted by the Examiner.		
4.		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5.	atent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Dat	
 Information Disclosure Statements (PTO-1449 or PTO/SB/0-Paper No./Mail Date Examiner's Comment Regarding Requirement for Deposit of Biological Material 	8), 7. 🛛 Examiner's Amenda	e nent/Comment ent of Reasons for Allowance

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in Paper filed on 10/28/02 (Applicant elected without traverse).

The application has been amended as follows:

IN THE CLAIMS:

Cancel non-elected claims 14-20

REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance: the prior art of record fails to disclose the combination of the process steps recited in the base claim, including the combination of the steps comprising: providing a first intermediate dielectric on the first metallization plane, the first intermediate dielectric containing containing a carbon-containing silicon oxide and having a first dielectric constant; providing a liner layer made of a dielectric material on the first intermediate dielectric, the liner comprising material selected from a group consisting of silicon dioxide and silicon nitride and having a second dielectric constant that is greater than the first

Art Unit: 2814

dielectric constant; patterning first and second interconnects in the second metallization plane for forming an interspace between the first and second interconnects; and completely interrupted the liner layer in the interspace between the first interconnect and the second interconnect such that the liner layer is removed everywhere that the second metallization plane is removed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phat X. Cao whose telephone number is (571) 272-1703. The examiner can normally be reached on Monday - Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Application/Control Number: 09/898,909

Art Unit: 2814

Page 4

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PC

January 25, 2005

PHAT X. CAO PRIMARY EXAMINER

Caraum Ald